

Winter 2013-14 Outlook

Summer 2014 Preview

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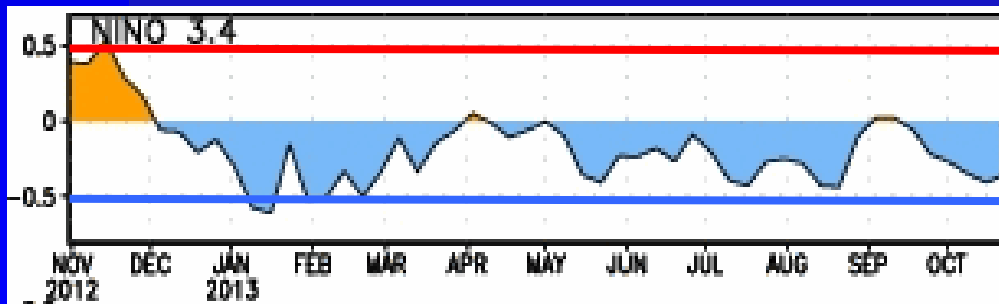
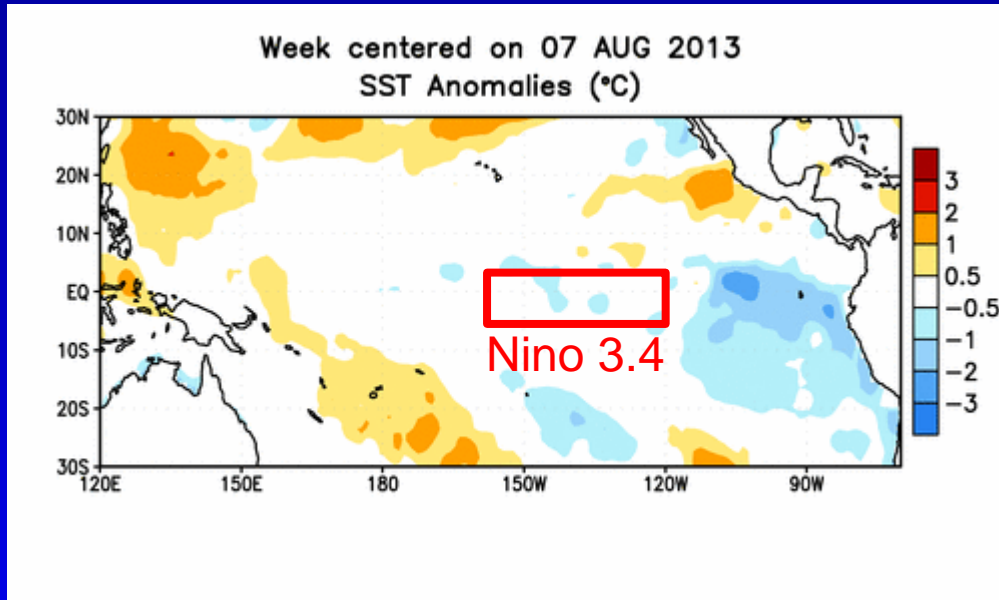
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Arizona Winter Impacts

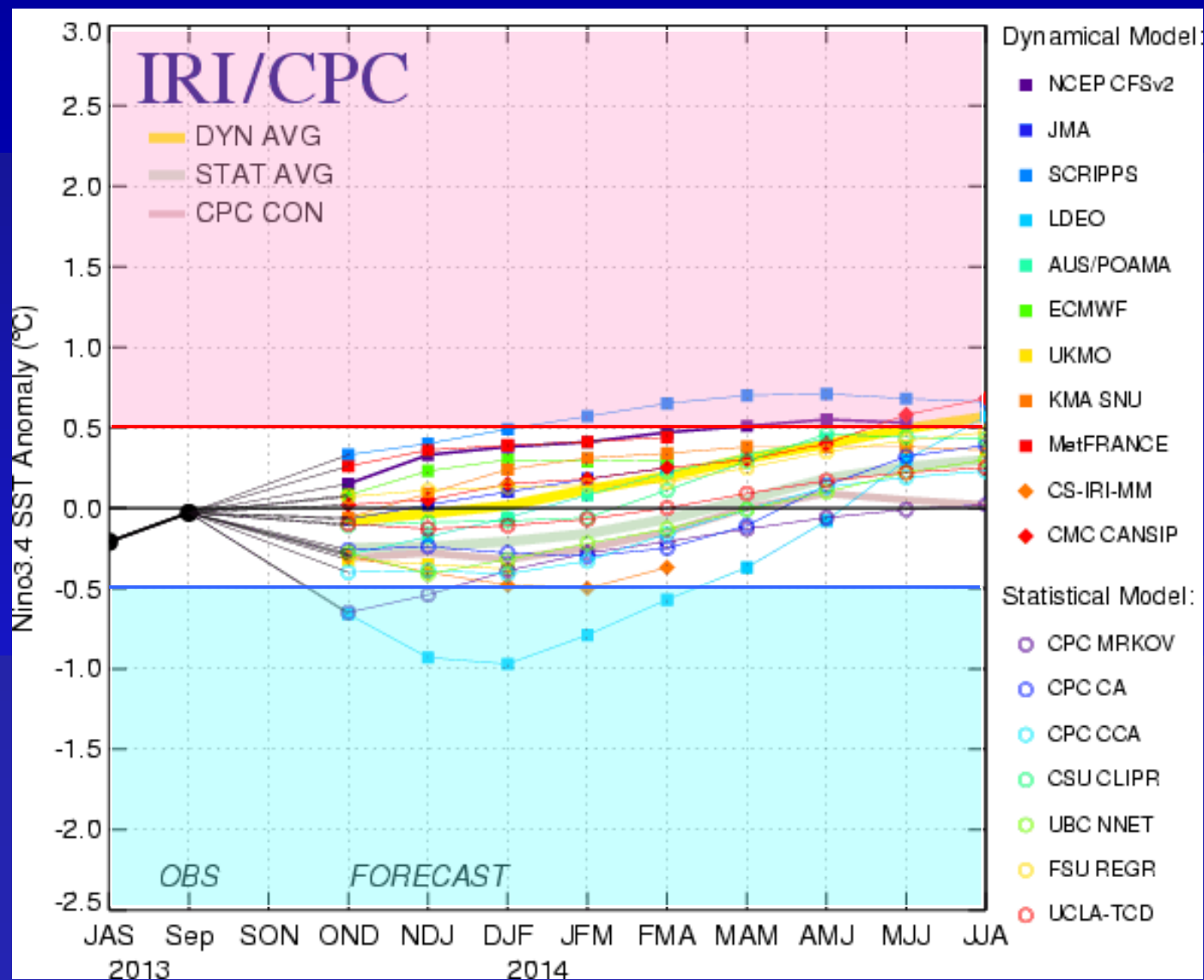
- El Nino winters...
 - Mild/cool temperatures, usually wetter than normal
- La Nina winters...
 - Warm temperatures, drier than normal
- Neutral winters...
 - Near normal temperatures overall, varying amounts of precip (other factors in play)
- Pacific Decadal Oscillation
 - “Warm phase” enhances precip chances
 - “Cold phase” decreases precip chances

Conditions in Tropical Pacific



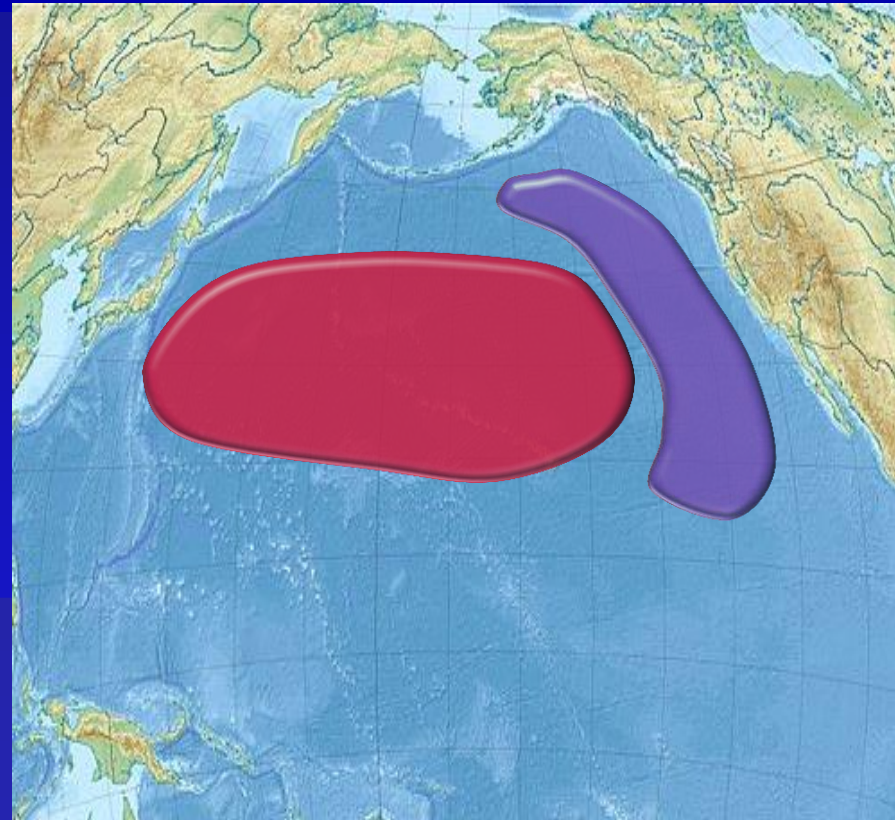
- Small, weak areas of cooler-than-normal water in central tropical Pacific
- Not large or persistent enough to be a “La Nina”
- Over time, this area has been in the “cool” portion of neutral since December 2012

El Nino/La Nina Outlook...

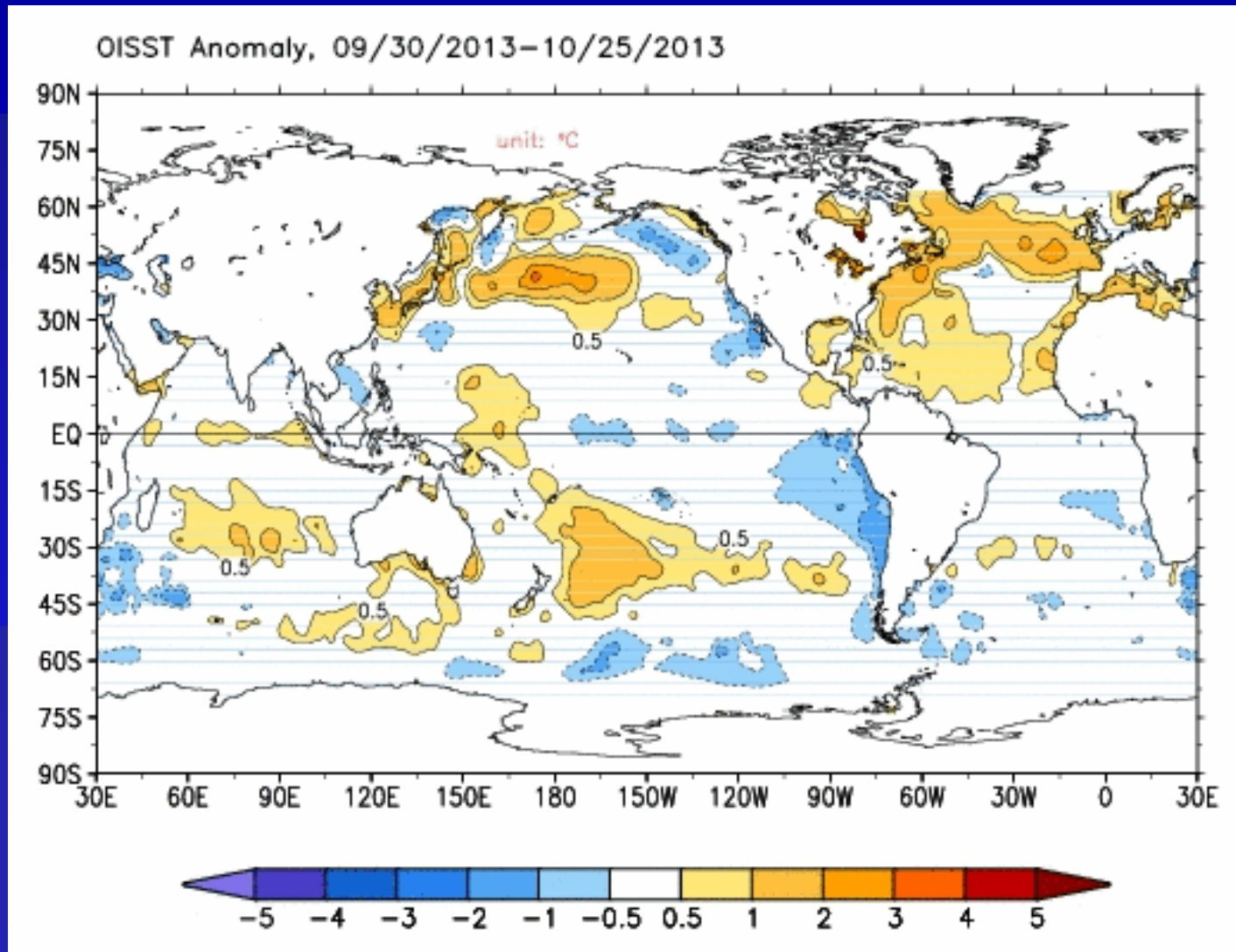


OK, So El Nino and La Nina are no Help...

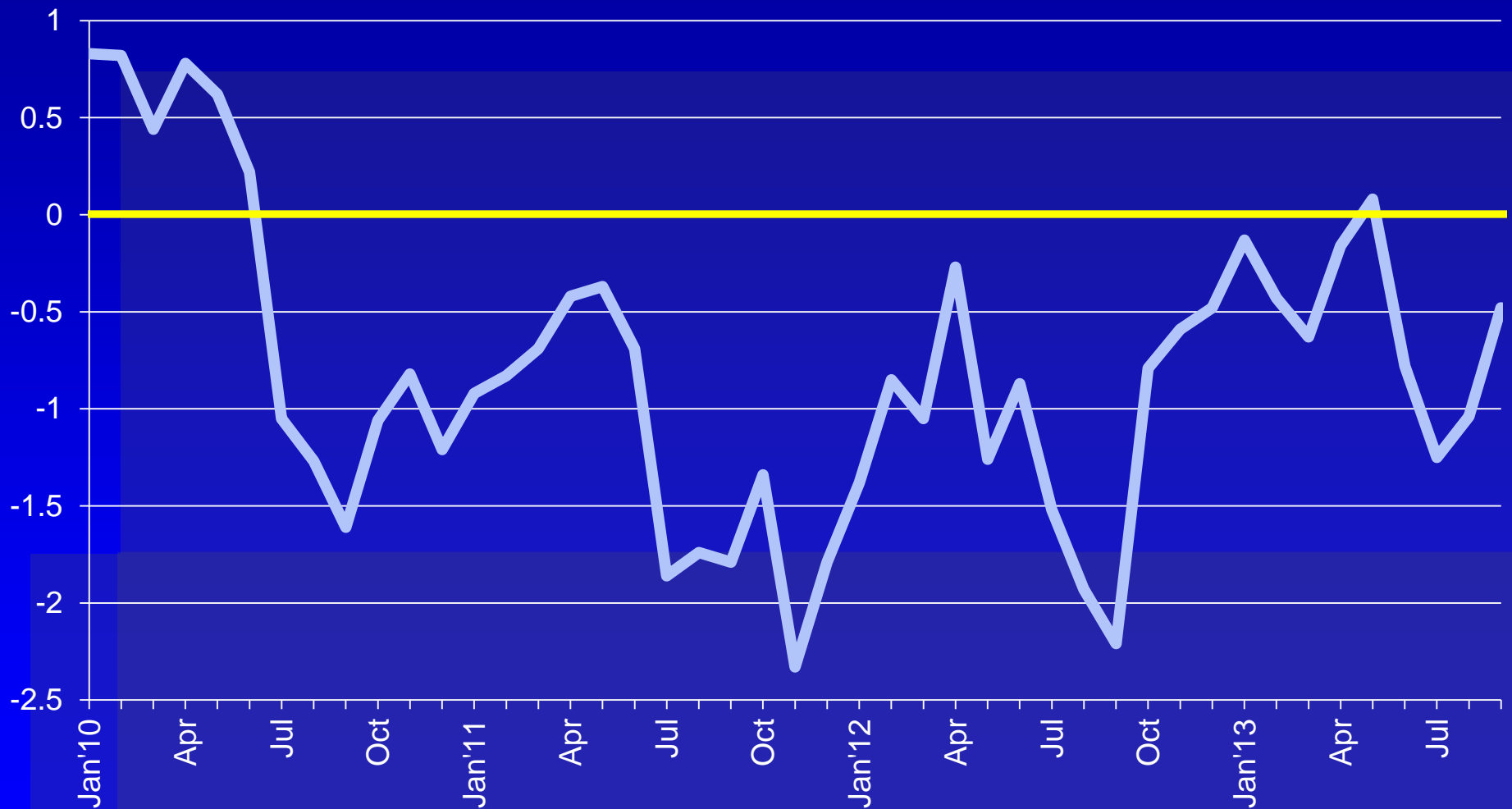
- Pacific Decadal Oscillation: Long-term oscillation in north Pacific sea surface temps
- Can affect temperature/precip patterns *IF* there is no signal from El Nino or La Nina
- Warm (positive) phase: enhanced precip in AZ
- Cool (negative) phase: diminished precip in AZ



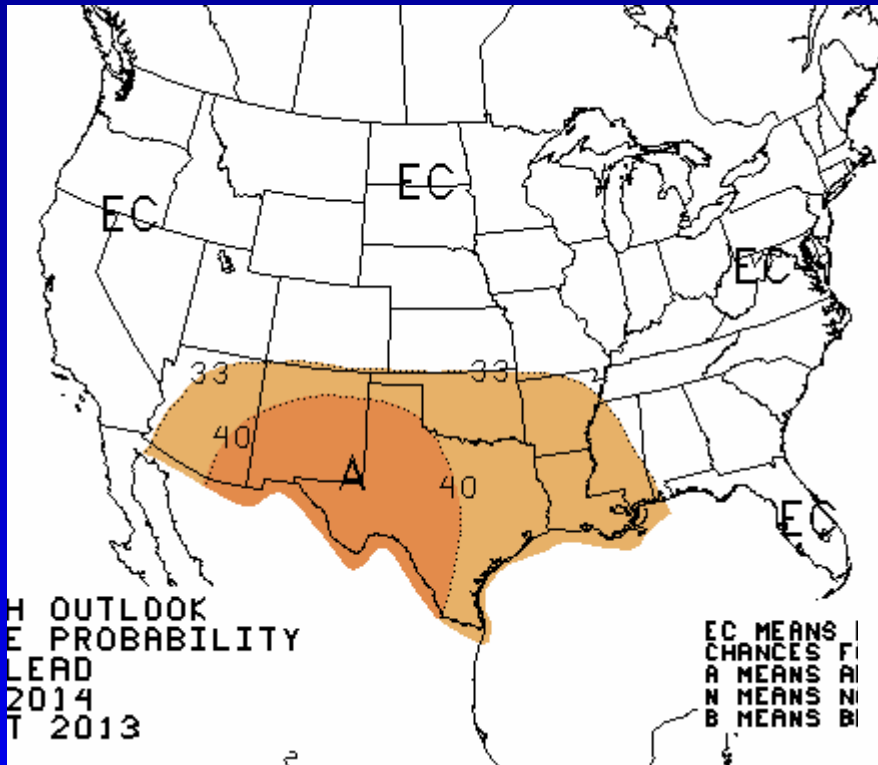
Latest Ocean Sfc. Temperatures



Recent PDO Values



Outlook: Jan/Feb/Mar 2014

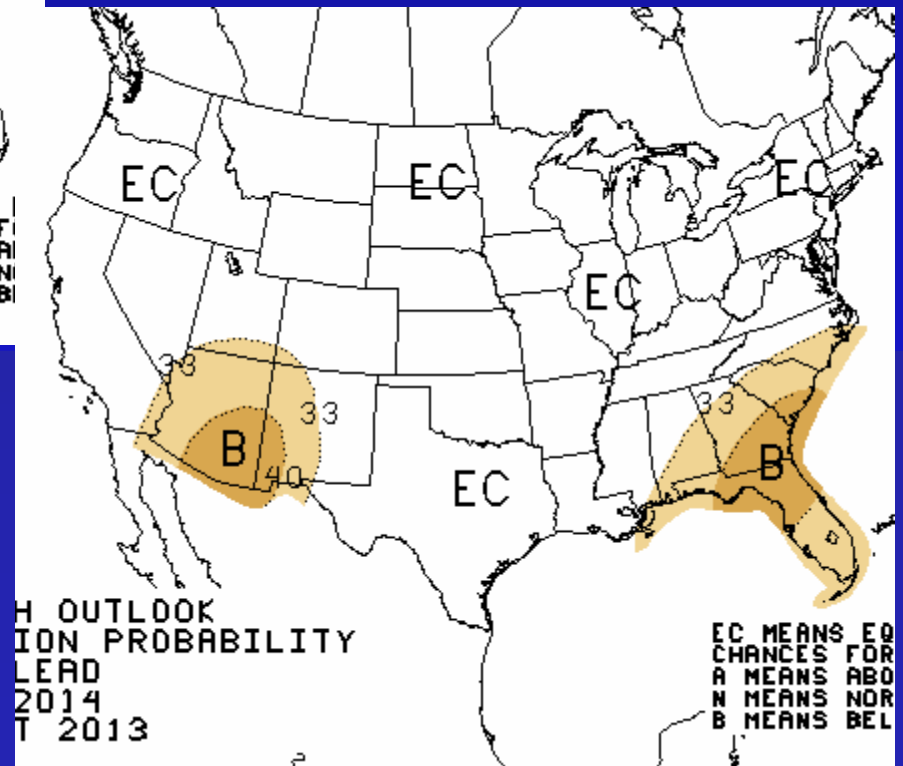


Slight favoring of above-normal temps most of AZ

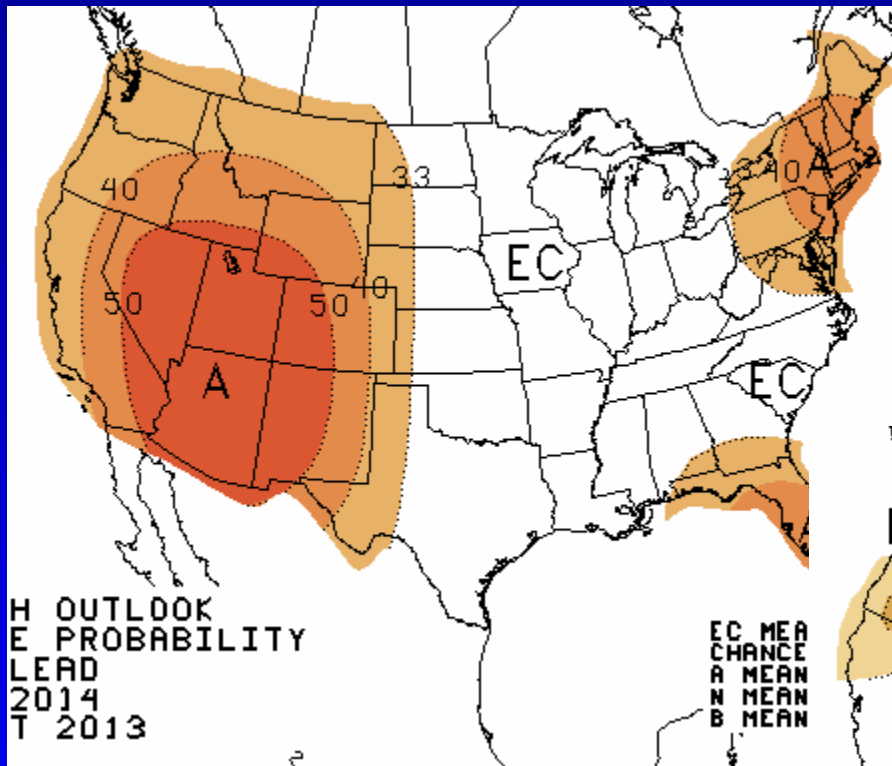
Slight favoring of below-normal precipitation

Three-month averages

Shading indicates chances of above/below normal



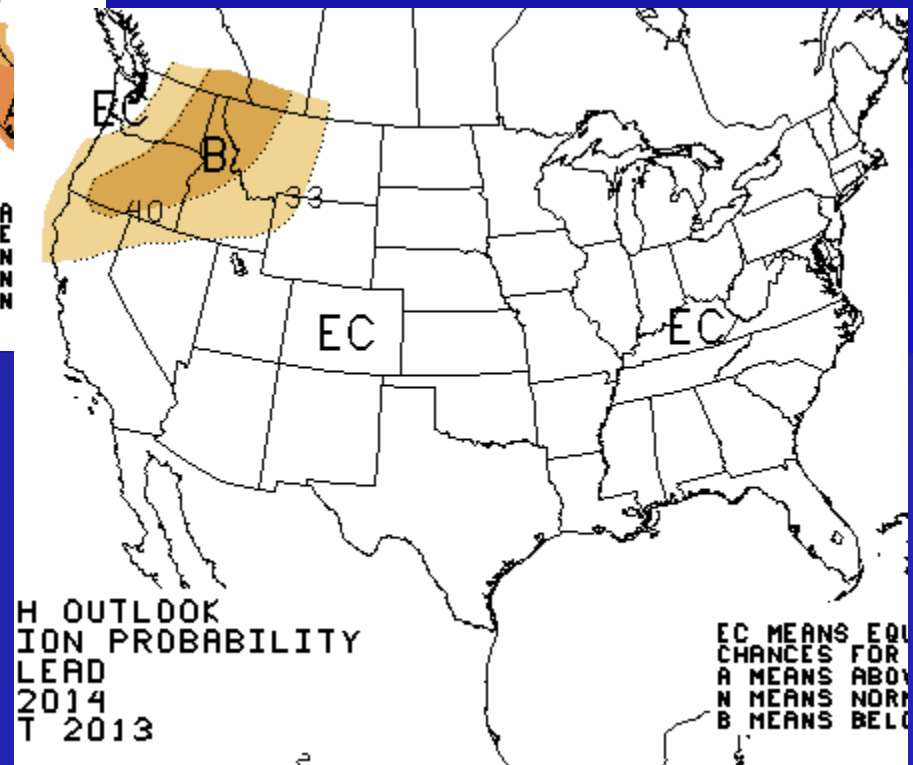
Outlook: Jul/Aug/Sep 2014



Three-month averages
Shading indicates
chances of above/below
normal

Temp outlook consistent
with previous summers

No substantial odds for
precipitation



Summary

- The outlook for winter 2013-14 suggests little El Nino/La Nina influence, negative PDO may affect precip
- Slight odds for above-normal temps, below-normal precip this coming winter
- During summer/warm season, large-scale signals have less effect on Arizona's weather
- The 2014 summer outlook's odds favor above-normal temps, no favorite for precip

Questions? Contact us!

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“Remember, we’re not production, we’re just in marketing!”